



smith & hopen, p.c.
Intellectual Property Law Patents Trademarks Copyrights

September 16, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants: Mark Stewart
Serial No.: 10/604,240

Filing Date: 07/03/2003

For: A Geophysical Method for Quantification of Dense Non-Aqueous Phase Liquids in the
Subsurface

Our Reference No.: 1372.47

Examiner: Unassigned
Art Unit: 2856

Dear Sir:

Enclosed please find the following:

1. Information Disclosure Statement By Applicants- 2 pages;
2. Copies of one (1) U.S. Patent Documents;
3. Copies of eight (8) Non-Patent Literature Documents; and
4. Self-addressed, postage-prepaid postcard to serve as a receipt for items 1-3.

Very respectfully,

SMITH & HOPEN

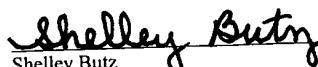

By: Anton J. Hopen
anton.hopen@baypatents.com

AJH/sb
enclosure

CERTIFICATE OF MAILING
(37 C.F.R. 1.8)

I HEREBY CERTIFY that this correspondence is being mailed with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 16, 2003.

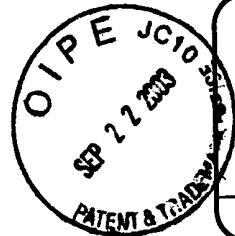
Date: September 16, 2003


Shelley Butz

Attorney-Client Privileged Communication

Please type a plus sign (+) inside this box → +

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/604,240
		Filing Date	07/03/2003
		First Named Inventor	Mark Stewart
		Group Art Unit	2856
		Examiner Name	Unassigned
Sheet	1	of	2
		Attorney Docket Number	1372.47

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not used. Include copy of this form with next communication to applicant.

1 Unique citation designation number. **2** See attached Kinds of U.S. Patent Documents. **3** Enter Office that issued the document, by the two-letter
name of the Office. **4** If the document contains more than one serial number, provide the serial
number for each invention listed.

¹ Unique citation designation number. - See attached Kinds of Citation Designation Number (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial code (WIPO Standard ST.16).

number of the patent document. 5 Kind of document by the appropriate symbols as indicated on page 1 of this application to place a check mark here if English language Translation is attached.

possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments or the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Cmplte if Known

Application Number	10/604,240
Filing Date	07/03/2003
First Named Inventor	Mark Stewart
Group Art Unit	2856
Examiner Name	Unassigned
Attorney Docket Number	1372.47

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	2	The Neutron Log; www.logwell.com/tech/nuclear/neutron_log.html ; 5/20/2003	
	3	The Gamma Ray Log; www.logwell.com/tech/nuclear/gamma_ray_log.html ; 5/20/2003	
	4	KRAM ET AL.; DNAPL Characterization Methods and Approaches Part1: Performance Comparisons	
	5	MITCHELL ET AL.; Development of a CPT Deployed Probe for In Situ Measurement of Volumetric Soil Moisture Content and Electrical Resistivity; 12/31/1997	
	6	Innovative Technology Summary Cone Penetrometer; www.gnet.org/archive/4569.html ; 5/21/2003	
	7	STEWART; A Geophysical Method for Quantification of Dense Non-Aqueous Phase Liquids (DNAPL) in the Subsurface	
	8	Direct Push Technologies	
	9	Bulk Density Determination; www.geology.iupui.edu/research/SoilsLab/procedures/bulk/ ; 5/19/2003	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.